

TEST SUMMARY

Dates: Monday-Tuesday, March 12-13, 2001
 Site: intersection of: Seabrook Avenue (SB) – Cary Parkway (EB-WB)
 Time: 7-9 AM, 10 AM-12 noon, 2 PM-6 PM <counts began on 2:30P on Monday, 11.5 hours total>
 Loop location(s): WB-thru, EB-L; SB-L; SB-R
 Controller Type: Econolite ASC 2/2100
 Detector Type: advanced shelf-mounted detector amplifiers

QUADRUPOLES			count		temporary	absolute difference	
detector	time	duration	<u>detector</u>	<u>diamond</u> loop	(+) overcount,	% difference	
type	period	(hr:min)	counts	counts	(-) undercount	(nearest percent)	
EB-L	6' x 60' quad	overall	11:30	548	463	+ 85	18 %
SB-L	6' x 60' quad	overall	10:15	740	818	- 78	- 10 %
SB-R	6' x 60' quad	overall	10:15	611	517	+ 94	18 %

(2) 6' x 6' LOOPS (WB-thru)

loop comparison	time	count	<u>detector</u>	temporary	absolute difference	% difference
	period	duration	counts	<u>diamond</u> loop	(+) overcount,	(nearest percent)
		(hr:min)		counts	(-) undercount	
signal v temp diamond	Monday	3:30	4,474	4,545	- 71	2%
	Tuesday	8:00	8,635	8,562	+ 73	1%
	overall	11:30	13,109	13,107	+ 2	0 %

loop comparison	time	count	<u>detector</u>	temporary	absolute difference	% difference
	period	duration	counts	<u>square</u> loop	(+) overcount,	(nearest percent)
		(hr:min)		counts	(-) undercount	
signal v temp square	overall	3:45	4,669	4,699	- 30	- 1 %

loop comparison	time	count	<u>detector</u>	temporary	absolute difference	% difference
	period	duration	counts	<u>manual</u> loop	(+) overcount,	(nearest percent)
		(hr:min)		counts	(-) undercount	
signal v manual	Tuesday only	8:00	8,635	8,398	+ 237	+ 3 %

loop comparison	time	count	temporary	temporary	absolute difference	% difference
	period	duration	<u>square</u> loop	<u>diamond</u>	(+) overcount,	(nearest percent)
		(hr:min)	counts	counts	(-) undercount	
temp sq. v temp diam.	overall, L-lane	3:45	2,747	2,739	+ 8	0%
	overall, R-lane	3:45	1,952	1,971	- 19	- 1%
	overall	3:45	4,699	4,710	- 11	0 %

loop comparison	location	count	<u>manual</u>	temporary	absolute difference	% difference
		duration	counts	<u>diamond</u>	(+) overcount,	(nearest percent)
		(hr:min)		counts	(-) undercount	
manual v temp diam.	overall, L-lane	8:00	3,655	5,049	- 1,394	- 28%
	overall, R-lane	8:00	4,743	3,513	+ 1,230	+35%
	overall	8:00	8,398	8,562	- 164	- 2 %